

Materials List for:

# Kinetics of Lagging-strand DNA Synthesis *In Vitro* by the Bacteriophage T7 Replication Proteins

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## Materials

Name	Company	Catalog Number	Comments
Tris pre-set crystals pH 7.5	SIGMA	T4128	
Tris base	SIGMA	93362	
L-Glutamic acid potassium salt monohydrate	SIGMA	G1501	
Magnesium chloride hexahydrate	Mallinckrodt Chemicals	5958-04	
1,4-Dithiothreitol	J.T. Baker	F780-02	
Sodium Dodecyl Sulfate	MP Biomedicals	811030	
(Ethylenedinitrilo) Tetraacetic acid, disodium salt, dihydrate	Mallinckrodt Chemicals	4931-04	
[ $\alpha$ - <sup>32</sup> P] CTP	PerkinElmer	BLU508H	radioactive, take protective measures
[ $\gamma$ - <sup>32</sup> P] ATP	PerkinElmer	BLU502A	radioactive, take protective measures
100 mM dATP, dCTP, dGTP, dTTP	Affymetrix	77100	four dNTPs part of set
100 mM ATP and CTP	Epicentre	RN02825	part of NTP set
ssDNA constructs	Integrated DNA Technologies	N/A	custom sequences
methanol	Macron Fine Chemicals	3017-08	
formamide	Thermo Scientific	17899	
bromophenol blue	SIGMA	B8026	
cylene xyanol	SIGMA	X4126	
acrylamide	SIGMA	A9099	Toxic
<i>N,N'</i> -Methylenebisacrylamide	SIGMA	M7279	Toxic
Urea	Boston Bioproducts	P-940	
Boric acid	Mallinckrodt Chemicals	2549	
Rapid Quench-Flow Instrument	Kintek Corp.	RQF-3	
Kintek Explorer	Kintek Corp.	N/A	
Kaleidagraph	Synergy Software	N/A	